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## **CLAIMS**

What is claimed is:

1. A mobile satellite telecommunications system, comprising:

at least one user terminal;

at least one satellite in earth orbit; and

at least one gateway bidirectionally coupled to a data communications network;

said user terminal comprising a controller responsive to at least one criterion having been met for activating an indicator for informing a user of a potential for reduced user terminal performance.

- 2. A mobile satellite telecommunications system as in claim 1, wherein said at least one criterion is comprised of a number of satellites through which a communication between the user terminal and the gateway is conducted.
- 3. A mobile satellite telecommunications system as in claim 1, wherein said at least one criterion is comprised of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted.
- 4. A mobile satellite telecommunications system as in claim 1, wherein said at least one criterion is comprised of a prediction of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted.
- 5. A mobile satellite telecommunications system as in claim 1, wherein said at least one criterion is comprised of an occurrence of there being only one satellite

through which a communication between the user terminal and the gateway is conducted, and a further occurrence of an elevation angle between said one satellite and said user terminal falling below a minimum threshold value.

- 6. A mobile satellite telecommunications system as in claim 1, wherein said at least one criterion is comprised of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted, and a further occurrence of a signal strength or a signal quality of a link between said one satellite and said user terminal falling below a minimum threshold value.
- 7. A mobile satellite telecommunications system as in claim 1, wherein said at least one criterion is comprised of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted, a further occurrence of an elevation angle between said one satellite and said user terminal falling below a minimum threshold value, and a further occurrence of a signal strength or a signal quality of a link between said one satellite and said user terminal falling below a minimum threshold value.
- 8. A mobile satellite telecommunications system as in claim 1, wherein said user terminal is responsive to received pilot channel signals for detecting a number of satellites through which a communication between the user terminal and the gateway is conducted.
- 9. A mobile satellite telecommunications system as in claim 1, wherein said indicator is comprised of at least one of a visual indicator, a tactile indicator and an audible indicator.
- 10. A mobile satellite telecommunications system, comprising:

at least one user terminal;

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at least one satellite in earth orbit; and

at least one gateway bidirectionally coupled to a data communications network;

said user terminal comprising a controller responsive to a receipt of a message from said gateway, indicating that at least one criterion has been met, for activating an indicator for informing a user of a potential for reduced user terminal performance.

- 11. A mobile satellite telecommunications system as in claim 10, wherein said at least one criterion is comprised of a number of satellites through which a communication between the user terminal and the gateway is conducted.
- 12. A mobile satellite telecommunications system as in claim 10, wherein said at least one criterion is comprised of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted.
- 13. A mobile satellite telecommunications system as in claim 10, wherein said at least one criterion is comprised of a prediction of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted.
- 14. A mobile satellite telecommunications system as in claim 10, wherein said at least one criterion is comprised of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted, and a further occurrence of an elevation angle between said one satellite and said user terminal falling below a minimum threshold value.
- 15. A mobile satellite telecommunications system as in claim 10, wherein said at least one criterion is comprised of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is

conducted, and a further occurrence of a signal strength or a signal quality of a link between said one satellite and said user terminal falling below a minimum threshold value.

- 16. A mobile satellite telecommunications system as in claim 10, wherein said at least one criterion is comprised of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted, a further occurrence of an elevation angle between said one satellite and said user terminal falling below a minimum threshold value, and a further occurrence of a signal strength or a signal quality of a link between said one satellite and said user terminal falling below a minimum threshold value.
- 17. A mobile satellite telecommunications system as in claim 10, wherein said user terminal is responsive to received pilot channel signals for detecting a number of satellites through which a communication between the user terminal and the gateway is conducted, and for transmitting information indicative of the number of satellites to said gateway.
- 18. A mobile satellite telecommunications system as in claim 10, wherein said indicator is comprised of at least one of a visual indicator, a tactile indicator and an audible indicator.
- 19. A method for operating a mobile satellite telecommunications system, comprising:

providing at least one user terminal, at least one satellite in earth orbit, and at least one gateway bidirectionally coupled to a data communications network;

determining that at least one criterion has been met; and

activating an indicator of said user terminal for informing a user of a potential for reduced user terminal performance.

- 20. A method as in claim 19, wherein said at least one criterion is comprised of a number of satellites through which a communication between the user terminal and the gateway is conducted.
- 21. A method as in claim 19, wherein said at least one criterion is comprised of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted.
- 22. A method as in claim 19, wherein said at least one criterion is comprised of a prediction of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted.
- 23. A method as in claim 19, wherein said at least one criterion is comprised of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted, and a further occurrence of an elevation angle between said one satellite and said user terminal falling below a minimum threshold value.
- 24 A method as in claim 19, wherein said at least one criterion is comprised of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted, and a further occurrence of a signal strength or a signal quality of a link between said one satellite and said user terminal falling below a minimum threshold value.
- 25. A method as in claim 19, wherein said at least one criterion is comprised of an occurrence of there being only one satellite through which a communication between the user terminal and the gateway is conducted, a further occurrence of an elevation angle between said one satellite and said user terminal falling below a minimum threshold value, and a further occurrence of a signal strength or a signal quality of a link between said one satellite and said user terminal falling below a minimum threshold value.

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- 26. A method as in claim 19, wherein said user terminal is responsive to received pilot channel signals for detecting a number of satellites through which a communication between the user terminal and the gateway is conducted.
- 27. A method as in claim 19, wherein said indicator is comprised of at least one of a visual indicator, a tactile indicator and an audible indicator.
- 28. A method as in claim 19, wherein said determination is made in said user terminal.
- 29. A method as in claim 19, wherein said determination is made in said gateway.
- 30. A method as in claim 19, wherein said determination is made in said gateway based at least in part on information transmitted to said gateway from said user terminal.
- 31. A method as in claim 19, wherein the indicator is activated to indicate a potential to drop a call.